

<p>97-416221/39 A41 E17 J04 (E13) CHPE- 94.06.04 CHINA PETROCHEMICAL GEN CO *CN 1113831-A 94.06.04 94CN-105927 (95.12.27) B01J 23/72, 21/06, 23/80, 23/85 Catalyst for preparing 1,4-butane-diol and/or gamma-butyrolactone C97-133387 Addnl. Data: TONG L, LI X, WANG H</p>	<p>A(1-E12) E(7-A2C, 10-E4B) J(4-E4) N(2-D1, 3, 3-B2, 3-D1, 3-F)</p>
<p>The catalyst for gas-phase hydrogenation preparation of 1,4-butanediol and/or gamma-butyrolactone has the following general formula: $Cu_aZnCr_bM_cO_x$, where $a = 0.1-10$, $b = 0.1-5$, $c = 0.1-5$. a, b and c respectively represent the number of atoms of Cu, Cr and M, and X is the number of oxygen atoms required for meeting the needs of valences of other elements. M is one element selected from IVB group, pref. Zr element.</p> <p><u>ADVANTAGE</u> The catalyst is made by using conventional precipitation method, and has high activity, selectivity and stability. (9ppDwgNo.0/0)</p>	<p>CN 1113831-A</p>